

Publications

- CSF Ferritin and Albumin Index: Potential candidates for scoring system to differentiate between bacterial and viral meningitis in children. Angelin AJM, Prabhat, **Agiesh Kumar B**, Soundravally R, Narayanan P, Pooja D **Biomarkers** (in press)
- Inhibition of platelet aggregation by the leaf extract of *Carica papaya* during dengue infection: Sophia, Vijayakumar, Uma maheswari Krishnan, **Agieshkumar.B***, Soundravally.R^{1*}
Viral Immunology-Equal contribution authors (29 Issue 3: April 1, 2016)
- Sugar tags and tumorigenesis. Nagarajan U, Pakkiriswami S, **Pillai BA. Front Cell Dev Biol.** 2015; 3: 69, doi: 10.3389/fcell.2015.00069
- Serum levels of copper and iron in dengue infection: Soundravally R*, Sherin Jacob, **Agieshkumar.B**, Daisy mariya samadanam I, Cleetus C C, Narayanan, Kadhiraavan. Sujatha. S, Harichandrakumar K.T . **Revista do Instituto de Medicina Tropical de São Paulo** (57(4) July-August, 2015)
- Highly efficient regioselective synthesis of spiro-indoline-3,4'-pyridines via a tandem enamine formation-Michael addition-cyclization sequence under catalyst- and solvent-free conditions. Thavaraj Vivekanand, Perumal Vinoth,**B. Agieshkumar**, Natarajan Sampath, Arumugam Sudalai, J. Carlos Menéndez and Vellaisamy Sridharan V ., **Green Chemistry** (Green Chem., 2015, 17,3415)
- Ferritin levels predict severe dengue: Soundravally Rajendran*, **Agieshkumar Balakrishna Pillai ***, Daisy mariyasamadanam, Sherin Jacob, CC Cleetus, **Infection** (2015 Feb;43(1):13-9. doi: 10.1007/s15010-014-0683-4. Epub 2014 Oct 30) (* Equal contribution, Corresponding author)
- Association between proinflammatory cytokines and lipid peroxidation in patients with severe dengue disease around defervescence: Soundravally R, Hoti SL, Patil SA, Cleetus CC, Zachariah B, Kadhiraavan T, Narayanan P, **Agiesh Kumar. B***: **Intl J Inf dis** 2014 Jan;18: 68-72.
- Sphingolipid Degradation in *Leishmania (Leishmania) amazonensis*; **Agiesh Balakrishna Pillai**, Wei Xu, Zhang Ou and Kai Zhang , **PLOS Neglected Tropical Diseases** Dec, 2012, 6(12): e1944. doi:10.1371/journal.pntd.0001944
- Developmentally regulated sphingolipid degradation plays multiple roles during Leishmania life cycle. Ou Zhang ,Wei xu, **Agiesh Balakrishna Pillai** and Kai Zhang, **PLOS ONE**- 2012, Jan (PLOS ONE 7(1): e31059. doi:10.1371/journal.pone.0031059)

- Transtadial transmission of *Bacillus sphaericus* in *Culex quinquefasciatus* and its effect on the development of the filarial parasite, *Wuchereria bancrofti*. K.P. Paily, Geetha, **B. Agiesh Kumar** –**Parasitology Research**, June 2012, Volume 110, Issue 6, pp 2229-2235:
- Up-regulation of Lipophorin (Lp) and Lipophorin Receptor (LpR) gene in the mosquito, *Culex quinquefasciatus*, infected with the filarial parasite, *Wuchereria bancrofti*. **B. Agiesh Kumar** and K.P. Paily, **Parasitology Research**, 2011 Feb;108 (2):377-81.
- Identification of immune responsive genes produced in *Culex quinquefasciatus* after infection with *W. bancrofti*. **B. Agiesh Kumar** and K.P. Paily **Medical & Veterinary entomology**, 2008, 22: 392-398:
- Actin protein up-regulated upon infection and development of the filarial parasite, *Wuchereria bancrofti* (Spirurida: Onchocercidae), in the vector mosquito, *Culex quinquefasciatus* (Diptera: Culicidae). **B. Agiesh Kumar** and K.P. Paily. **Experimental Parasitology** 118 (2008) 297–302
- Transferrin in the mosquito, *Culex quinquefasciatus* say (Diptera: Culicidae), up-regulated upon infection and development of the filarial parasite, *Wuchereria bancrofti* (Cobbold) (Spirurida: Onchocercidae) K.P.Paily, **B. Agiesh kumar**, K.Balaraman. **Parasitology Research** (2007) 101:325-330
- Changes in haemocyte population of *Culex quinquefasciatus*, following infection with the parasite, *Wuchereria bancrofti* K.P.Paily, Abidha, **B. Agiesh kumar** and K.Balaraman. **Journal of Medical & Veterinary entomology** (2005) 19,116-118

Book Chapter: Nanobiotechnology perspectives: Role of Nanobiotechnology in Medical and Dental health. Prabhanjana KV, Manoharan PS, Soundravally R, **Agieshkumar.B*** Biotechnology in India: Initiatives and accomplishments: Editors: Niladri Bag, Ramar Murugan and Arundhati Bag Publisher: New India Publishing Agency (NIPA), New Delhi ISBN: 9789385516030

Oral/Poster presentations: (Selected)

- Association between proinflammatory cytokines and lipid peroxidation in patients with severe dengue disease around defervescence R.Soundravally *...**AgieshKumar.B** * at Frontiers in Modern Biology-2013' 15-16 June,2013, Department of Biochemistry, Indian Institute of Science, Bangalore.

- Ultrastructural immunolocalization of cuticle proteins of *Anopheles gambiae*- Laura vannini, **Agiesh Kumar**. Poster presented at “Symposium on Arthropod genomics” Kansas city, June 9-11, 2011.
- Sestrins role in the Parasite Leishmania- Daniels, C., Zhang, K., **Kumar, A., Pillai, B.**, and Xu, W. Biology, Texas Tech University, Undergraduate research conference-April 11-15, 2011
- Sphingolipid degradation in *Leishmania virulence*”- Wei Xu, Ou Zhang, **Agiesh Pillai**, Lynn Soong and Kai Zhang. Presented at “Molecular parasitology” meet 2010, Woodshole, USA.
- Infection and immunity in insect vectors to Eukaryotic parasites” **Agiesh Kumar. B** and Paily KP at 4th Indo-Australian conference on Biotechnology, 7-9th May 2007, Queens land Institute of Medical Research, Brisbane, Australia.